Date: Wed, 4 May 94 11:50:59 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #487
To: Info-Hams

Info-Hams Digest   Wed, 4 May 94   Volume 94 : Issue 487

Today's Topics:

(none)
3Y0PI QSLs
Amateur Radio and Civil Rights
Amplifier for HT used mobile?
Anyone interested in talking about frequency standards?
Canadian Reciprocity
Gun Owners
Gun Owners: Protect your Rights! (2 msgs)
How to make a diplexer?
Icom W2A with optional Accessories for sale $400
IPS Daily Report - 03 May 94
New FCC amateur radio licenses
TV channel frequencies

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

Date: 4 May 94 16:49:33 GMT
From: news-mail-gateway@ucsd.edu
Subject: (none)
To: info-hams@ucsd.edu

How about somebody that went to Dayton give us a brief summary of what went
on, such as new products or improved products.

Inquiring minds (that did not get to go) would like to know...

marcel
KR4CS

Date: 3 May 1994 09:03:55 -0700
From: ihnp4.ucsd.edu!library.ucla.edu!psgrain!news.tek.com!cascade.ens.tek.com!
not-for-mail@network.ucsd.edu
Subject: 3Y0PI QSLs
To: info-hams@ucsd.edu

As I recall the QSL manager for either CW or SSB for 3Y0PI was
KA6V. She just passed away. So the cards will be a little late in
coming I suspect.

(arranging someone else to handel them and such)

Terry, KI7M

Date: 4 May 94 19:31:49 GMT
From: dog.ee.lbl.gov!agate!msuinfo!netnews.upenn.edu!mipg.upenn.edu!
yee@ucbvax.berkeley.edu
Subject: Amateur Radio and Civil Rights
To: info-hams@ucsd.edu

Recently there was a post on rec.radio.amateur.misc about gun control
which spawned a whole slew of posts supporting the concept. While my
views on gun control are fairly well known in some newsgroups, this
post isn't about this. It is about the threat to amateur radio. It
is very easy to take gun control arguments and apply them equally well
to ham radio. In fact, some of the attacks I mention below have
already been tried. Some of these attacks are blatently false but are
seen in the media nonetheless. Remember, gun control arguments are
also based upon twisting the facts.

1) Nobody _needs_ amateur radio so we should feel free to ban it.
   In an emergency the government can take care of all emergency
   communication. Individuals should not be trusted with dangerous
   radio equipment which can electrocute children.

2) With the advent of cellular phones, amateur radio is outdated; it
   no longer needs the spectrum it requires. Amateur radio should be
   phased out and the spectrum sold to companies. The revenue gained
   from selling this spectrum can be used to bolster FEMA and other
   government based emergency services.

3) The only purpose for ham radio is by criminals who scan the
   airwaves to keep track of police broadcasts.

4) Amateur radio emits radio waves which have been shown to cause
   cancer so we should prohibit amateur radio as a public safety
   concern.

5) Amateur radio antennas are liable to fall and injure someone.

6) Use CCR's to limit antennas. They are ugly and ruin the view for
   all neighbors. CCR's are private contracts so are not subject to
   the limitations that laws are.
--
Medical Image Processing Group | 73 de Conway Yee, N2JWQ
411 Blockley Hall | EMAIL   : yee@mipg.upenn.edu
418 Service Drive | LANDLINE : 1 (215) 662-6780
Philadelphia, PA 19104-6021 (USA) | FAX   : 1 (215) 898-9145

Date: 4 May 94 18:07:28 GMT
From: dog.ee.lbl.gov!agate!boulder!csn!jwdxt@ucbvax.berkeley.edu
Subject: Amplifier for HT used mobile?
To: info-hams@ucsd.edu

I am a new ham and just a few days from buying my first HT, probably
the YAESU FT-530. I've been monitoring 2m repeaters on my scanner
lately to try to learn the ropes. I am a little concerned that the
5 watt output running an HT with a mag-mount antenna may not be very
good coverage. In the New Ham Companion a friend brought back from
Dayton, there is a brief mention of the possibility of using some sort
of amplifier in this configuration, but they offer no specifics, brands,
prices, etc. about doing it. I would appreciate hearing from anyone who
has experience or opinions. Thanks,

Jim Deeming
KB0MED

Date: Tue, 3 May 1994 14:08:37 GMT
From: ncrgw2.ncr.com!ncrhub2!ranger!cn292.DaytonOH.NCR.COM!jra@uunet.uu.net
Subject: Anyone interested in talking about frequency standards?
To: info-hams@ucsd.edu

Howdy --

I've been interested for a while in time and frequency measurement, and have

been collecting bits and pieces of equipment.

At the Hamvention last weekend, I finally found my dream: a rubidium standard. It's a little Efraton thing (part number 100323-101 for what that's worth) and it seems to work.

But one problem is that it only has a single 10MHz output, and my other equipment all wants either 1MHz or 100kHz inputs. So, I need to design some divider and distribution stuff -- and I'm clueless about how to minimize phase shift and jitter, and how pure a sinewave output I need to shoot for (or will my other equipment be happy with squarewave input?).

To get to the point, I'd be interested in corresponding with anyone out there who's knowledgeable about frequency standard/measurement systems, so I can get this thing lashed up properly.

Thanks...

John Ackermann   AG9V
jra@lawdept.daytonOH.ncr.com

Date: Tue, 3 May 94 15:46:05 GMT
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!torn!nott!dgbt!clark.dgim.doc.ca!news@network.ucsd.edu
Subject: Canadian Reciprocity
To: info-hams@ucsd.edu

David R Tucker (drt@world.std.com) wrote:
: Jay Brown (un111@freenet.Victoria.BC.CA) wrote:

all kinds deleted....
: There are a lot of District offices, so I'm only going to list
one in : each Province. You can ask them to mail the rules to you, or you
: could get the address for the office closest to where you'll be
: visiting and go pick up what you want there.

: St John's, NF: 709-772-4889
: Halifax: 902-426-3810/3811
: Charlottetown: 902-566-7000
: St. John, NB: 506-636-4339
: Montreal: 514-283-7657
: Toronto: 416-973-8215
: Winnipeg: 204-983-5590
: Regina: 306-780-5007
: Calgary: 403-292-4207

: Vancouver: 604-666-5468
: Whitehorse: 403-667-5102
: Yellowknife: 403-920-6603

The Saint John NB number is (506) 636-4889 not 4339 "4339 is the fax number"

Roger (VE9RI)

****
Roger J Thompson
rthompsn@clark.dgim.doc.ca

System Admin. Industry Canada
Saint John, N.B.
****

Date: 4 May 94 16:08:28 GMT
From: news-mail-gateway@ucsd.edu
Subject: Gun Owners
To: info-hams@ucsd.edu

agate!gtewd.mtv.gtegsc.com!reina@ames.arpa
writes

>Gun owners protect your constitutional rights!

I thought this was a forum for HAM radio not the NRA !!

kumar

Kumar@cisco.com

Date: 4 May 94 12:44:47 GMT
From: agate!usenet.ins.cwru.edu!eff!news.duke.edu!solaris.cc.vt.edu!
usenet@ucbvax.berkeley.edu
Subject: Gun Owners: Protect your Rights!
To: info-hams@ucsd.edu

In article <1994May3.123759.1093@gtewd.mtv.gtegsc.com>
reina@gtewd.mtv.gtegsc.com writes:

     [stuff deleted]
>

> This law will infringe on your constitutional right to keep and bear
arms.

     [more deleted]

Well, I don't think anyone has the right to keep and arm bears. Those
critters are fairly dangerous as they are, especially when protecting
their young or when they are hungry. :-) :-)

Sorry es 73,
Benjy

--
Benjy Cline, AC4XO
Virginia Tech Computing Center
benjy@benjy.cc.vt.edu

Date: 4 May 94 14:17:58 GMT
From: news-mail-gateway@ucsd.edu
Subject: Gun Owners: Protect your Rights!
To: info-hams@ucsd.edu

Typical of you NRA wackos, you have abused the media by placing
this issue in an amateur radio forum to make your absurd case.
No one needs assault weapons. Any one with any sense will urge
congress to BAN ALL ASSAULT WEAPONS immediately.

Wake up.

KF2U

Date: Tue, 3 May 1994 13:51:59 GMT
From: yuma!galen@purdue.edu
Subject: How to make a diplexer?
To: info-hams@ucsd.edu

In article <Cp6MMo.73t@ireq.hydro.qc.ca> vaillan@ireq.hydro.qc.ca writes:
>I would like to know how to make a diplexer 2m/70cm.

Date: 4 May 94 16:18:16 GMT
From: agate!howland.reston.ans.net!europa.eng.gtefsd.com!library.ucla.edu!

csulb.edu!csus.edu!netcom.com!crisp@ucbvax.berkeley.edu
Subject: Icom W2A with optional Accessories for sale $400
To: info-hams@ucsd.edu

I have an Icom W2A in nice condition I'd like to sell. It has the BP84
battery pack which comes with it standard and also has the origninal
box, manual and sales receipt. I also have a number of optional
accessories that go with it for the $400 price.

They are:

BP85 12V battery pack
BC72 Desktop fast charger (really the only way to go!)
HM65 Lapel Speaker Mike

The BC72 charger also in in the original box.

I bought it all new in 1991 and quickly lost interest in
repeater talking so it hasn't been used much since early 92.

I am asking $400 for it with the buyer paying shipping.

The W2A is a twin band ultra small HT covering the 2Meter and 440MHz
ham bands. It has CTCSS and PL and DTMF capability included stock. Truly
a deluxe HT.

It also makes a fine wideband scanner and is capable of receiving cellular
and even has a 30khz step size etc. If anyone is interested in more info,
I can email a few files describing features such as cross band repeat,
how to do the extended transmit mod (I have not done this), and a
few other tidbits that were posted in the 1991, 1992 timeframe.

--
Richard Crisp Cupertino, Ca. crisp@netcom.com
(415) 903-3832 wk (408) 253 4541 fax
"It is a good thing that we do not get as much government as we pay for"
-Will Rogers

Date: Tue, 3 May 1994 23:17:10 GMT
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!EU.net!sunic!trane.uninett.no!
nac.no!ifi.uio.no!wabbit.cc.uow.edu.au!metro!ipso!rwc@network.ucsd.edu
Subject: IPS Daily Report - 03 May 94
To: info-hams@ucsd.edu

SUBJ: IPS DAILY SOLAR AND GEOPHYSICAL REPORT

ISSUED AT 3/2330Z MAY 1994 BY IPS RADIO AND SPACE SERVICES
FROM THE REGIONAL WARNING CENTRE (RWC), SYDNEY.
SUMMARY FOR 3 MAY AND FORECAST UP TO 6 MAY

IPS Warning 12 was issued on 26 April and is still current.

1A. SOLAR SUMMARY
Activity: very low

Flares: none.

Observed 10.7 cm flux/Equivalent Sunspot Number : 074/011

1B. SOLAR FORECAST

	04 May	05 May	06 May
Activity	Very low	Very low	Very low
Fadeouts	None expected	None expected	None expected

Forecast 10.7 cm flux/Equivalent Sunspot Number : 075/013

1C. SOLAR COMMENT
None.

2A. MAGNETIC SUMMARY
Geomagnetic field at Learmonth: unsettled to active, with brief minor storm periods 12-15UT.

Estimated Indices :	A	K	Observed A Index 2 May
Learmonth	24	4344 5432	
Fredericksburg	29		41
Planetary	45		42

Observed Kp for 2 May: 5654 4346

2B. MAGNETIC FORECAST

DATE	Ap	CONDITIONS
04 May	28	Unsettled to active.
05 May	25	Unsettled to active.
06 May	25	Unsettled to active.

2C. MAGNETIC COMMENT
Coronal hole induced activity remaining in progress.

3A. GLOBAL HF PROPAGATION SUMMARY
LATITUDE BAND

DATE LOW MIDDLE HIGH
03 May normal normal-fair fair
PCA Event : None.
3B. GLOBAL HF PROPAGATION FORECAST
LATITUDE BAND
DATE LOW MIDDLE HIGH
04 May normal normal-fair fair
05 May normal normal fair
06 May normal normal fair
3C. GLOBAL HF PROPAGATION COMMENT
NONE.

4A. AUSTRALIAN REGION IONOSPHERIC SUMMARY
MUFs at Sydney were near normal to 20% enhanced.

Observed T index for 03 May: 49

Predicted Monthly T Index for May is 30.

4B. AUSTRALIAN REGION IONOSPHERIC FORECAST
DATE T-index MUFs
04 May 30 Near predicted monthly values.
05 May 25 Near predicted monthly values.
06 May 25 Near predicted monthly values.

4C. AUSTRALIAN REGION COMMENT
None.

--
IPS Regional Warning Centre, Sydney |IPS Radio and Space Services
email: rwc@ips.oz.au fax: +61 2 4148331 |PO Box 5606
RWC Duty Forecaster tel: +61 2 4148329 |West Chatswood NSW 2057
Recorded Message tel: +61 2 4148330 |AUSTRALIA

Date: Tue, 3 May 1994 14:50:42 GMT
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!news.cac.psu.edu!news.pop.psu.edu!
ra!usenet@network.ucsd.edu
Subject: New FCC amateur radio licenses
To: info-hams@ucsd.edu

I've noticed that the recent amateur radio licenses come in two parts: the traditional wallet document, and one that can be framed to be hung in the shack. I was last issued a license in 1990 that was printed with an impact printer, and it's a little hard to read. It appears that the new licenses are laser printed.

Question: Can I ask the FCC for the new license? I'd like to get the part you can frame. (Somehow I feel the answer is going to be `no.')

-Dave
--
David Drumheller, KA3QBQ phone: (202) 767-3524
Acoustics Division, Code 7140 fax: (202) 404-7732
Naval Research Laboratory
Washington, DC 20375-5350 e-mail: drumhell@claudette.nrl.navy.mil

---

Date: 4 May 94 12:54:34 GMT
From: agate!howland.reston.ans.net!europa.eng.gtefsd.com!news.umbc.edu!eff!
news.kei.com!yeshua.marcam.com!zip.eecs.umich.edu!newsxfer.itd.umich.edu!
nntp.cs.ubc.ca!utcsri!newsflash.concordia.@
Subject: TV channel frequencies
To: info-hams@ucsd.edu

In article 8932@galileo.cc.rochester.edu, witr@uhura.cc.rochester.edu (Robert Witriol) writes:
>Is there a document on-line that will give me a listing of the frequencies
>of all the US TV channels (over-the-air, cable and UHF)?:
>
>e.g.: Channel 2 = 54-60 MHz.
> Cable "A" = 120-126
> UHF 21 = 512-518
>
>A referral to a book or magazine would be almost as good.
>
>
>Thanx!
>
>Bob Witriol
>witr@uhura.cc.rochester.edu

Here is what I got from Phil.
Regards,
Clem.

CHAN	BROADCAST	CABLE STD	CABLE HRC	CABLE IRC
1	---	---	72.00	73.25
2	55.25	55.25	54.00	55.25
3	61.25	61.25	60.00	61.25
4	67.25	67.25	66.00	67.25
5	77.25	77.25	78.00	79.25
6	83.25	83.25	84.00	85.25
7	175.25	175.25	174.00	175.25
8	181.25	181.25	180.00	181.25
9	187.25	187.25	186.00	187.25
10	193.25	193.25	192.00	193.25
11	199.25	199.25	198.00	199.25
12	205.25	205.25	204.00	205.25
13	211.25	211.25	210.00	211.25
14 A	471.25	121.25	120.00	121.15
15 B	477.25	127.25	126.00	127.15
16 C	483.25	133.25	132.00	133.15
17 D	489.25	139.25	138.00	139.15
18 E	495.25	145.25	144.00	145.15
19 F	501.25	151.25	150.00	151.15
20 G	507.25	157.25	156.00	157.15
21 H	513.25	163.25	162.00	163.15
22 I	519.25	169.25	168.00	169.15
23 J	525.25	217.25	216.00	217.25
24 K	531.25	223.25	222.00	223.25
25 L	537.25	229.25	228.00	229.25
26 M	543.25	235.25	234.00	235.25
27 N	549.25	241.25	240.00	241.25
28 O	555.25	247.25	246.00	247.25
29 P	561.25	253.25	252.00	253.25
30 Q	567.25	259.25	258.00	259.25
31 R	573.25	265.25	264.00	265.25
32 S	579.25	271.25	270.00	271.25
33 T	585.25	277.25	276.00	277.25
34 U	591.25	283.25	282.00	283.25
35 V	597.25	289.25	288.00	289.25
36 W	603.25	295.25	294.00	295.25
37 AA	609.25	301.25	300.00	301.25
38 BB	615.25	307.25	306.00	307.25
39 CC	621.25	313.25	312.00	313.25
40 DD	627.25	319.25	318.00	319.25
41 EE	633.25	325.25	324.00	325.25
42 FF	639.25	331.25	330.00	331.25
43 GG	645.25	337.25	336.00	337.25
44 HH	651.25	343.25	342.00	343.25
45 II	657.25	349.25	348.00	349.25
46 JJ	663.25	355.25	354.00	355.25

47	KK	669.25	361.25	360.00	361.25
48	LL	675.25	367.25	366.00	367.25
49	MM	681.25	373.25	372.00	373.25
50	NN	687.25	379.25	378.00	379.25
51	OO	693.25	385.25	384.00	385.25
52	PP	699.25	391.25	390.00	391.25
53	QQ	705.25	397.25	396.00	397.25
54	RR	711.25	403.25	402.00	403.25
55	SS	717.25	409.25	408.00	409.25
56	TT	723.25	415.25	414.00	415.25
57	UU	729.25	421.25	420.00	421.25
58	VV	735.25	427.25	426.00	427.25
59	WW	741.25	433.25	432.00	433.25
60	XX	747.25	439.25	438.00	439.25
61	YY	753.25	445.25	444.00	445.25
62	ZZ	759.25	451.25	450.00	451.25
63		765.25	457.25	456.00	457.25
64		771.25	463.25	462.00	463.25
65		777.25	469.25	468.00	469.25
66		783.25	475.25	474.00	475.25
67		789.25	481.25	480.00	481.25
68		795.25	487.25	486.00	487.25
69		801.25	493.25	492.00	493.25
70		807.25	499.25	498.00	499.25
71		813.25	505.25	504.00	505.25
72		819.25	511.25	510.00	511.25
73		825.25	517.25	516.00	517.25
74		831.25	523.25	522.00	523.25
75		837.25	529.25	528.00	529.25
76		843.25	535.25	534.00	535.25
77		849.25	541.25	540.00	541.25
78		855.25	547.25	546.00	547.25
79		861.25	553.25	552.00	553.25
80		867.25	559.25	558.00	559.25
81		873.25	565.25	564.00	565.25
82		879.25	571.25	570.00	571.25
83		885.25	577.25	576.00	577.25
84		---	421.25	420.00	421.25
85		---	427.25	426.00	427.25
86		---	433.25	432.00	433.25
87		---	439.25	438.00	439.25
88		---	445.25	444.00	445.25
89		---	451.25	450.00	451.25
90		---	457.25	456.00	457.25
91		---	463.25	462.00	463.25
92		---	469.25	468.00	469.25
93		---	475.25	474.00	475.25
94		---	481.25	480.00	481.25

```
95         ---       91.25       90.00       91.25
96         ---       97.25       96.00       97.25
97         ---      103.25      102.00      103.25
98         ---      109.25      108.00      109.25
99         ---      115.25      114.00      115.25
CHAN   BROADCAST   CABLE STD   CABLE HRC   CABLE IRC

HRC = Harmonic related carrier
IRC = Interval related carrier

Color subcarrier is 3.579545 MHz above video given
Audio subcarrier is 4.500000 MHz above video given

Exact color subcarrier is computed by 5*63/88 MHz
This is the formula specified by the FCC in part 73

Low VHF     54-88  MHz
Midband     88-174 MHz
High VHF   174-216 MHz
Superband  216-300 MHz
Hyperband  300-468 MHz
Ultraband  468-648 MHz
UHF        470-806 MHz (formerly 470-890)
--
/*************************************************************************\
| Phil Howard  ---  KA9WGN  ---  pdh@netcom.com   |   "The problem with |
| depending on government is that you cannot depend on it" - Tony Brown |
\*************************************************************************/
======================
```


```
   Clement Vaillancourt,             |    Institut de Recherche d'Hydro-Quebec
   Analyste,                         |    Varennes, P. Quebec, Canada, J3X 1S1
   Informatique scientifique         | Tel:+1 514 652 8238 Fax:+1 514 652 8309
   vaillan@ireq.hydro.qc.ca          |  Radio-amateur: VE2HQJ@VE2CRL.PQ.CAN.NA
```

Date: Tue, 3 May 1994 14:49:42 GMT
From: world!drt@uunet.uu.net
To: info-hams@ucsd.edu

References <1994Apr29.034043.3530@freenet.victoria.bc.ca>,
<Cp4tHr.Cwz@world.std.com>, <1994May2.152537.12312@ve6mgs.ampr.org>
Subject : Re: Canadian Reciprocity

Mark G. Salyzyn (mark@ve6mgs.ampr.org) wrote:
: drt@world.std.com (David R Tucker) writes:

: >A: I highly recommend getting a copy of the rules. They publish a
: >number of circulars called RICs ("ricks") that you can order.

: They distribute these for free, so do not hesitate to collect the necessary
: set! BTW, in Canada, we call them "are eye ceez" or "circulars", not "ricks" :-)

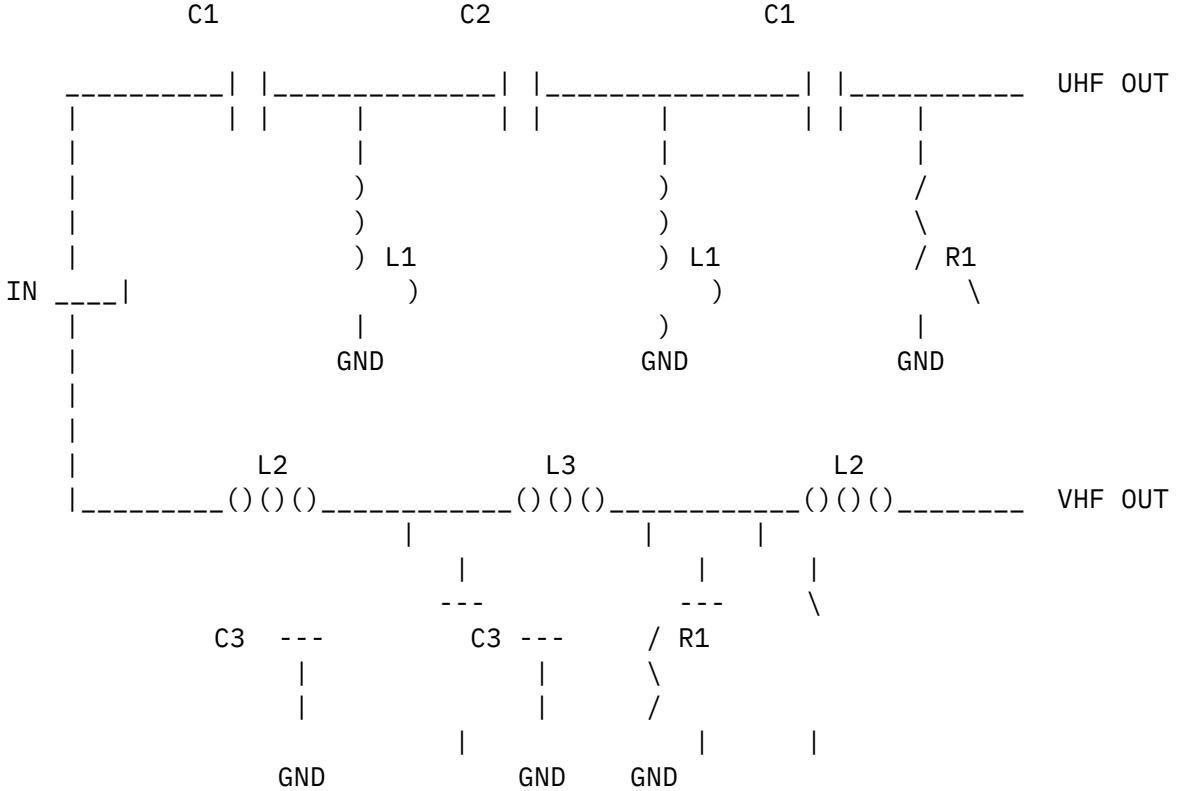
: Ciao -- 73 de VE6MGS/Mark -sk-

What can I tell you? In Canada, your government officals called them
"ricks". (But then, they were both from Quebec!) Very helpful folks,
though.

-drt

|David R. Tucker   KG2S   8P9CL   drt@world.std.com|

Date: (null)
From: (null)



Where:

C1:   4.8 pF
C2:   3.3 pF
C3:   15 pF
L1:   2 turns #14, 3/16" dia.
L2:   4 turns #14, 3/16" dia.
L3:   5 turns #14, 1/4" dia.
R1:   50k, 1/2 w.

I built mine over a solid pc board and wound both L2's and L3 from one piece of wire. I built up the caps from three to four cer disc caps each, I used four for C1 in parallel.

There is no perceptable difference between my home-brewed and my commercial diplexers.
Galen, KF0YJ

End of Info-Hams Digest V94 #487
****